

ABSTRACT

SPACECRAFT

5 A spacecraft having a sun ray blocker device (111,
112, 141, 271, 301, 411, 511, 611, 811, 921, 951, 1800,
2100, 2700) for shading a thermal radiator surface
(11,12) of the spacecraft in which the sun ray blocker
10 device is movable in relation to the thermal radiator
surface to keep the surface substantially in shade
without substantially blocking thermal radiation from the
thermal radiator surface to deep space. Preferably a
sun-facing side (111a, 112a) of the sun ray blocker device
is thermally insulated from an opposed side (111b, 112b)
15 to reduce thermal radiation from the sun ray blocker
device to the thermal radiator surface and the sun ray
blocker device is also preferably deployable in orbit
after launch.